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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/017,375	12/14/2001	Harinath Garudadri	010331	8079
	7590 07/08/200 INCORPORATED	EXAMINER		
5775 MOREHO SAN DIEGO, O	OUSE DR.	OPSASNICK, MICHAEL N		
SAN DIEGO, C	A 92121		ART UNIT	PAPER NUMBER
			2626	
			NOTIFICATION DATE	DELIVERY MODE
			07/08/2009	ELECTRONIC

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

us-docketing@qualcomm.com kascanla@qualcomm.com nanm@qualcomm.com

	Application No.	Applicant(s)					
Office Action Comments	10/017,375	GARUDADRI ET AL.					
Office Action Summary	Examiner	Art Unit					
	MICHAEL N. OPSASNICK	2626					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim 11 apply and will expire SIX (6) MONTHS from 12 cause the application to become ABANDONEI	ely filed the mailing date of this communication. (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on <u>18 Ju</u>	ne 2007						
·= · · · · · · · · · · · · · · · · · ·	action is non-final.						
3) Since this application is in condition for allowar		socution as to the morits is					
closed in accordance with the practice under <i>E</i>							
closed in accordance with the practice under £	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-6 and 8-20</u> is/are pending in the app	olication.						
,	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-6,8-20</u> is/are rejected.							
7) Claim(s) is/are objected to.	•						
· · · · — · ·	coloction requirement						
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9)☐ The specification is objected to by the Examine	r.						
10)⊠ The drawing(s) filed on <u>18 March 2002</u> is/are: a		by the Examiner.					
Applicant may not request that any objection to the		-					
Replacement drawing sheet(s) including the correcti							
11) The oath or declaration is objected to by the Ex.		` '					
The dath of declaration is objected to by the Ex	anniner. Note the attached Office	Action of 101111 10-102.					
Priority under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some color None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal Pa 6)  Other:	te					

S20	32035	S19 and S18	US-PGPUB; USPAT	OR	OFF	2005/07/15 10:01
S21	30903	S20 and (updat\$3 modify chang\$3 near5 database\$1 session\$1 table\$1 list\$1)	US-PGPUB; USPAT	OR	OFF	2005/07/15 10:02
S22	291	S21 and (370/230)	US-PGPUB; USPAT	OR	OFF	2005/07/18 09:01
S23	1890	S21 and (709/204 709/217, 709/219)	US-PGPUB; USPAT	OR	OFF	2005/07/15 10:04
S24	730	S21 and (709/227)	US-PGPUB; USPAT	OR	OFF	2005/07/15 10:04
S25	382	S21 and (709/228)	US-PGPUB; USPAT	OR .	OFF	2005/07/15 11:17
S26	696	S21 and (709/229)	US-PGPUB; USPAT	OR	OFF	2005/07/15 10:10
S27	3	S23 and (port near20 hop\$4)	US-PGPUB; USPAT	OR	OFF	2005/07/15 10:10

col. 10 line 59 -- full/half(type 0 and type 1)/quarter/eight rate selection is based upon the level/type of speech activity in the frame). Therefore, it would have been obvious to one of ordinary skill in the art of speech packet information/distribution to modify the communication system of Kushner with a separate notification to the decoder regarding voicing activity because it would advantageously update the decoders in a timely fashion as to improve the quality of the reconstructed speech and maintaining the average bit rate (Gao, col. 12 lines 9-23; col. 5 lines 19-22).

As per claims 8,14,20, <u>Kushner et al (6633839)</u> teaches the use of 2 bits to command the speech synthesizer in terms of what type of speech activity is contained in the frame (col. 6 lines 34-38).

As per claims 9,10,15,16,21,22, <u>Kushner et al (6633839)</u> teaches using the speech recognition information for hands free voice dialing or hand free information retrieval (col. 1 lines 15-20) in a DSR (col. 1 lines 40-50).

As per claims 11-13,17-19,23-25, <u>Kushner et al (6633839)</u> teaches detection of silence (based on a limit of 4subframe energy comparison), features are frequency based (col. 6 lines 42-45), and lower bit rate during silence (col. 6 lines 58-65).

Claims 26-33 are computer readable medium claims that force a processor to perform the method steps of claims 1-25, (and furthermore, <u>Kushner et al (6633839)</u> teaches a dsp processor

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- one of ordinary skill in the art easily recognizes that a dsp processor contains memory with

processor instructions - fig. 4); as such, claims 26-33 are similar in scope and content to the

method claims 1,2,5,8-25 and are rejected under similar rationale as presented against claims

1,2,5,8-25 above.

Response to Arguments

3. Applicant's arguments filed 4/14/2009 have been fully considered but they are not

persuasive. As per applicants arguments that the prior art does not teach speech based frames,

examiner disagrees and notes that applicants interpretation of speech based frame is not

consistent with the specification description (see page 9, lines 1-10; page 11 line 30 – page 12,

line 15) and based upon these definitions of "speech frame", applicants definition of speech

frame (being a feature representation of the speech signal), matches the "speech frame" as

defined by Kushner.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure. Please see related art listed on the PTO-892 form.

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5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Opsasnick, telephone number (571)272-7623,

who is available Tuesday-Thursday, 9am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Richemond Dorvil, can be reached at (571)272-7602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Michael N. Opsasnick/ Primary Examiner, Art Unit 2626 7/1/09